Day 66 - 21/01/2023

Q. Palindromic substrings

Anoop likes strings a lot but he likes palindromic strings more. Today, Anoop has two strings A and B, each consisting of lower case alphabets. Anoop is eager to know whether it is possible to choose some non empty strings s1 and s2 where s1 is a substring of A, s2 is a substring of B such that s1 + s2 is a palindromic string. Here '+' denotes the concatenation between the strings.

Input
First line of input contains a single integer T denoting the number of test cases.
For each test case:First line contains the string A. Second line contains the string B.

Output
For each test case, Print "Yes" (without quotes) if it possible to choose such strings s1 & s2. Print "No" (without quotes) otherwise.

Input
3
abc
abc
a
b
abba
baab

Output
Yes
No
Yes

main.py

```
t = int(input())

for i in range(t):
    a = set(input())
    b = set(input())

    ans = False
    alen = len(a)
    blen = len(b)

    if alen<blen:
        for j in a:
```

```
        if j in b:
            ans = True
            break

else:
    for j in b:
        if j in a:
            ans = True
            break

if(ans):
    print("YES")
else:
    print("NO")
```

output